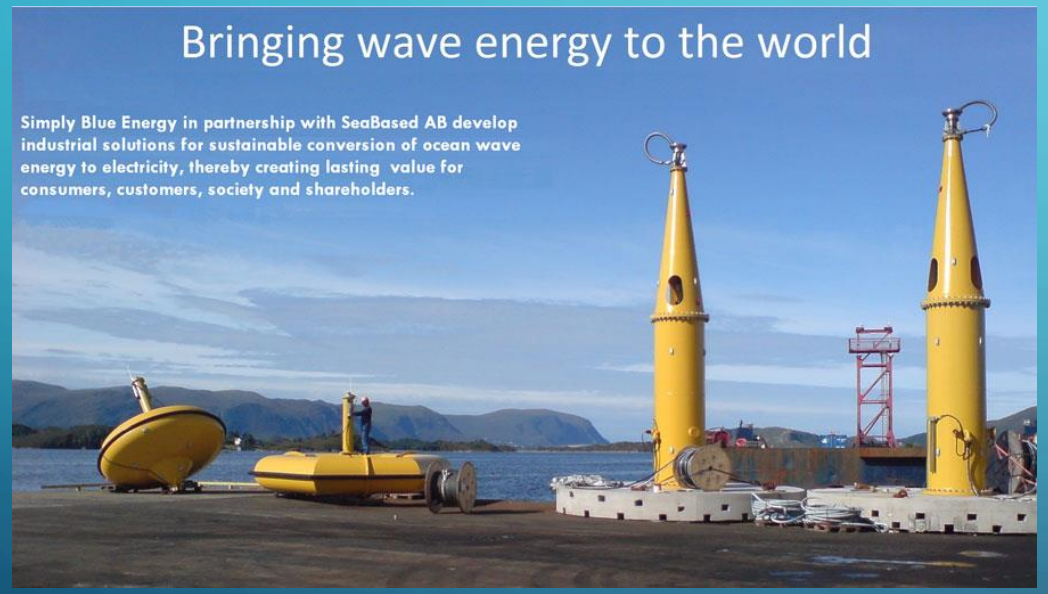
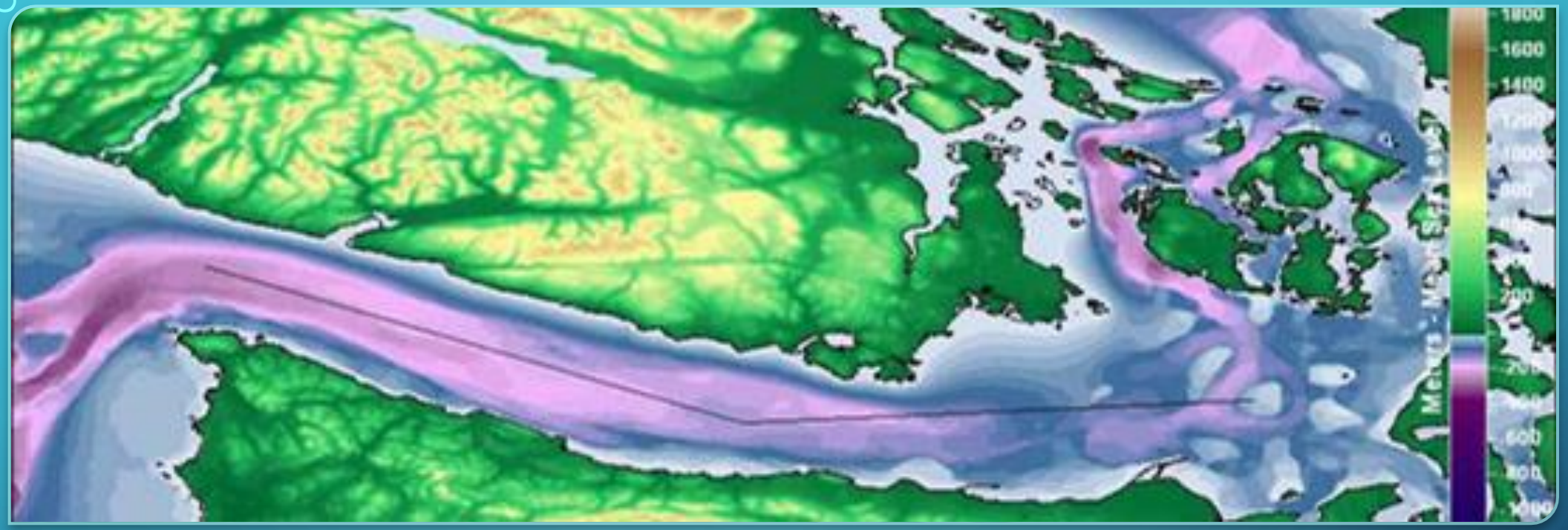
OCEAN ENERGY, OCEAN ACIDIFICATION, AND SEAFOOD SURVIVAL…

CARBONIC ACID ACCUMULATION IN THE PLANET'S OCEANS (CARBON EMISSIONS-BORN **OCEAN ACIDIFICATION**) AND CLIMATE CHANGE TOGETHER THREATEN THE SURVIVAL OF SEAFOOD AND THE FOOD SECURITY OF MILLIONS OF COASTAL PEOPLE AND THE QUALITY OF LIFE FOR ALL MANKIND

TECHNOLOGICAL ADVANCES IN OCEAN ENERGY DEVICES HAVE PRODUCED CLEAN FRESH WATER AND ENERGY

WAVE AND TIDAL SYNERGY FOR PREDICTABLE ENERGY AND OPTIMUM ENERGY CHANNELING



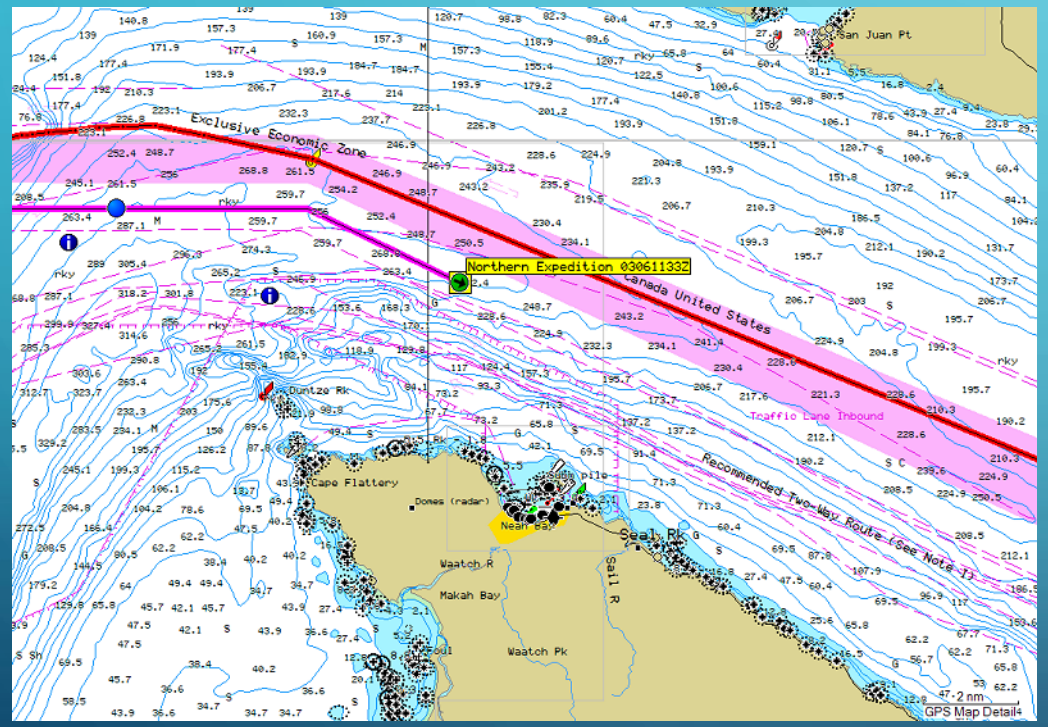


INTENSIVE NATURAL ENERGY OF WESTERN JUAN DU FUCA

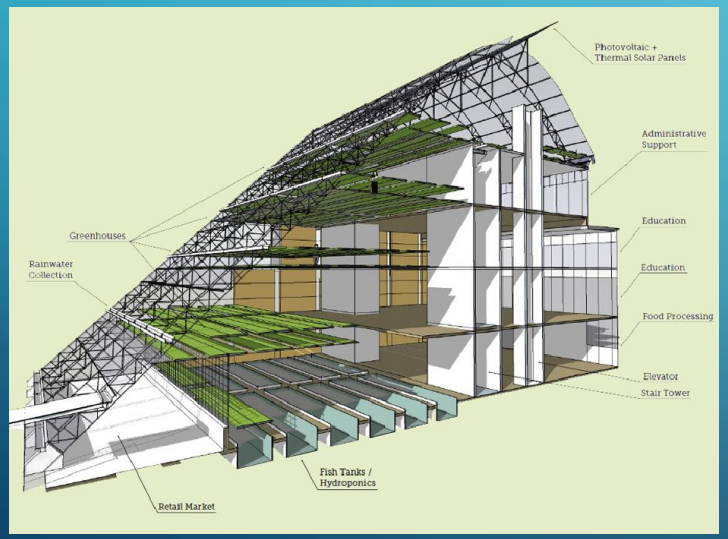
Neah Bay is located next to one of the most dynamic ocean energy locations in North America and Washington State.

The Makah Tribe a maritime and fishing People have unique rights and needs, while possessing sovereign rights to our resources

NEAH BAY IS ADJACENT TO OCEAN POWER

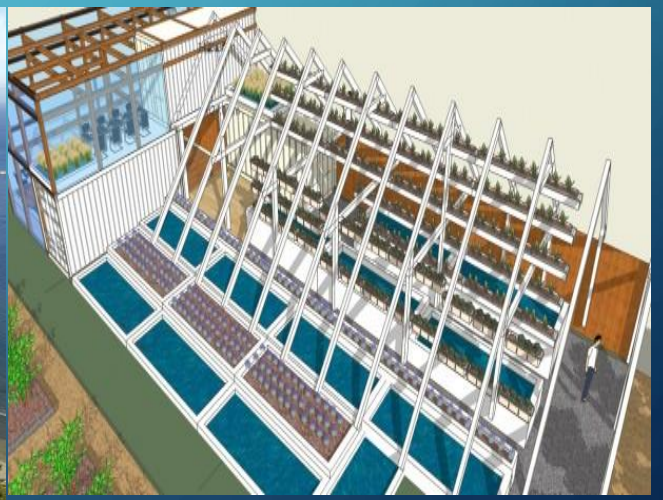


MARINE AQUAPONICS



ONSHORE LOCATION

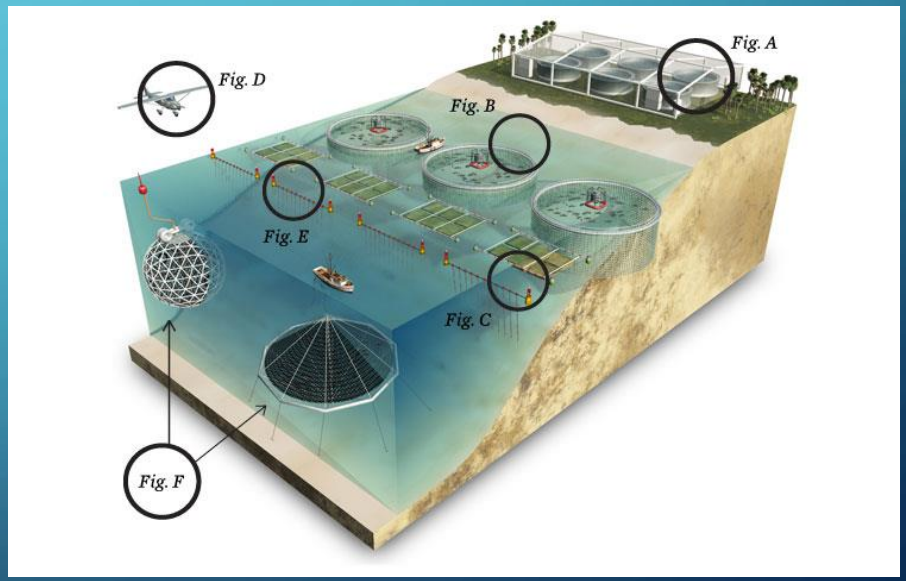
OCEAN POWERED AG



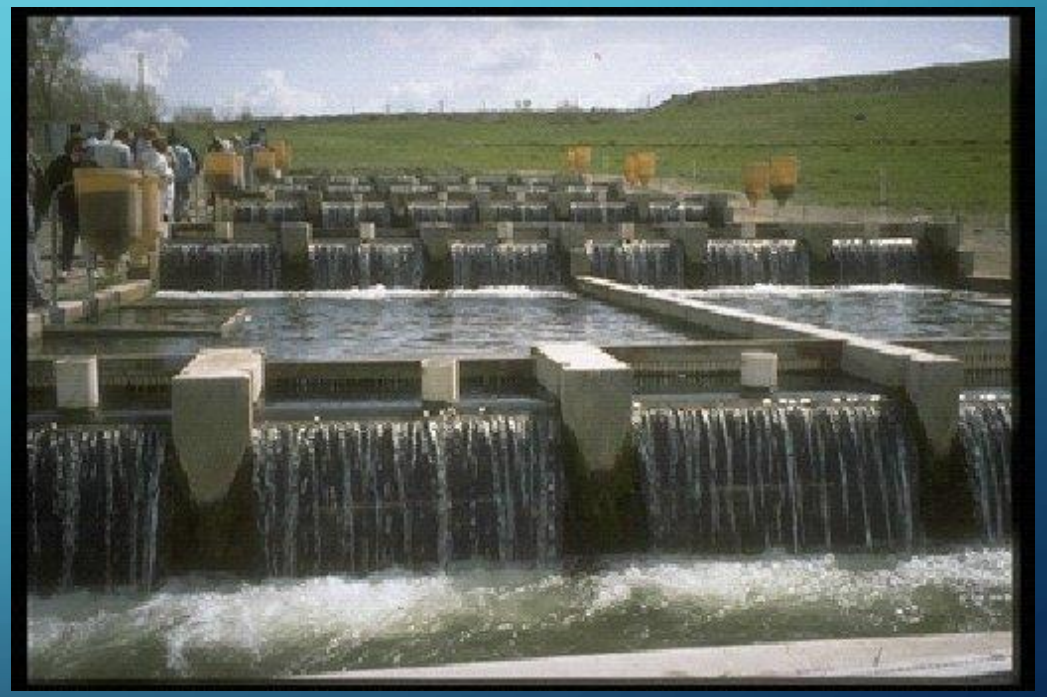
IN AN ERA OF OCEAN ACIDIFICATION, WE NEED TO EVOLVE BEST PRACTICES TO PRESERVE MARINE LIFE

CONVENTIONAL AQUACULTURE

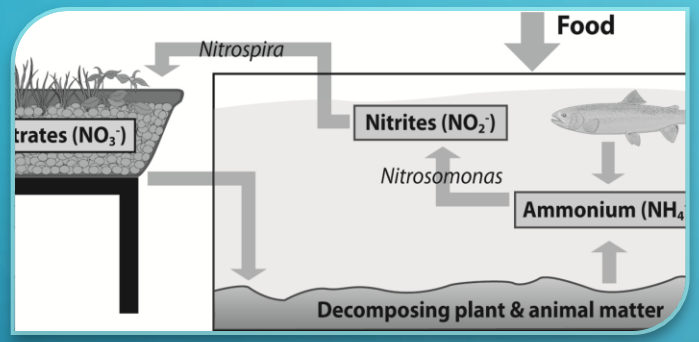
ADVANCED SEAFOOD SECURITY



OCEAN POWERED SEAWATER DELIVERY TO SHORE



MARINE AQUAPONICS AND BIO-REMEDIATION OF OCEAN ACIDIFICATION =SEAFOOD SURVIVAL



MARINE AQUACULTURE

With nutrient recovery for marine aquatic plant cultivation

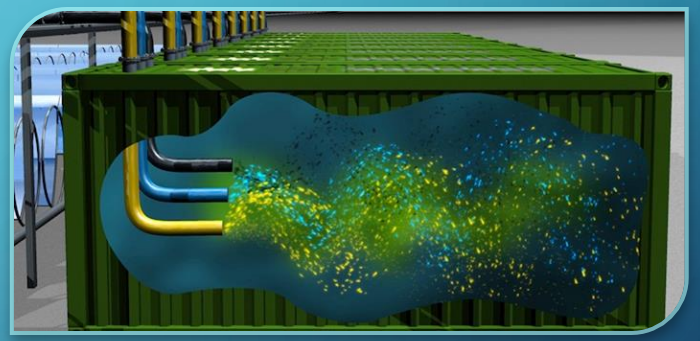
CLOSED LOOP SYSTEMS

Accommodations for highly valuable seafood species add to financial feasibility

SEAWEED PRODUCTION

Aquatic plants mitigate OA on the intake, and absorb nutrient load from aquaculture fish tanks

MARINE BIOSPHERE MARI-CULTURE, POWERED BY TIDE, WAVE, WIND AND SOLAR. OPTIMUM LOCAL SUPPLY AND DEMAND=SEAFOOD SECURITY AND ANSWER TO OCEAN ACIDIFICATION FOR MARINE LIFE SURVIVAL



YEAR ROUND PRODUCTION

Sea food production and processing for an vertically integrated business model

NUTRIENT RECOVERY

Excess volumes of seawater nutrients, and Power can be harnessed with LED enhanced Biofuel production

ECO-RISK MITIGATION

Any and all nutrients can be captured and recovered for optimal value to the last drop